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UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
100 East 'B' Street - Room 3124
Casper, WY 82601

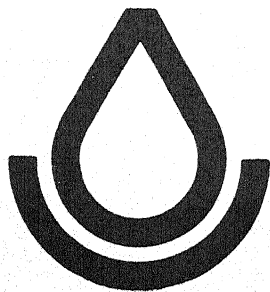
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Wyoming
Water Supply Outlook

and

Federal - State - Private
Cooperative Snow Surveys



SOIL CONSERVATION SERVICE



United States
Department of
Agriculture

Soil
Conservation
Service

Casper,
Wyoming



Wyoming Water Supply Outlook Mar. 1, 1985



FOREWORD

HOW FORECASTS ARE MADE

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture, and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason forecasts are issued that reflect three future precipitation conditions - Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

FOR MORE INFORMATION

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage AK 99504
Arizona	Room 3008, Federal Bldg., 230 North First Ave., Phoenix AZ 85025
Colorado	2490 West 26th Ave., Denver CO 80211
(New Mexico)	
Idaho	304 North 8th Street, Room 443, Boise ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland OR 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City UT 84147
Washington	360 U.S. Court House, Spokane WA 99201
Wyoming	Federal Bldg., Room 3124, 100 East 'B' St., Casper WY 82601

In addition to state reports, a Water Supply Outlook Report for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 514, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include - Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia - The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory - Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1, Alberta, Saskatchewan, and N.W.T. - The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Wyoming Water Supply Outlook

AND

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Issued by

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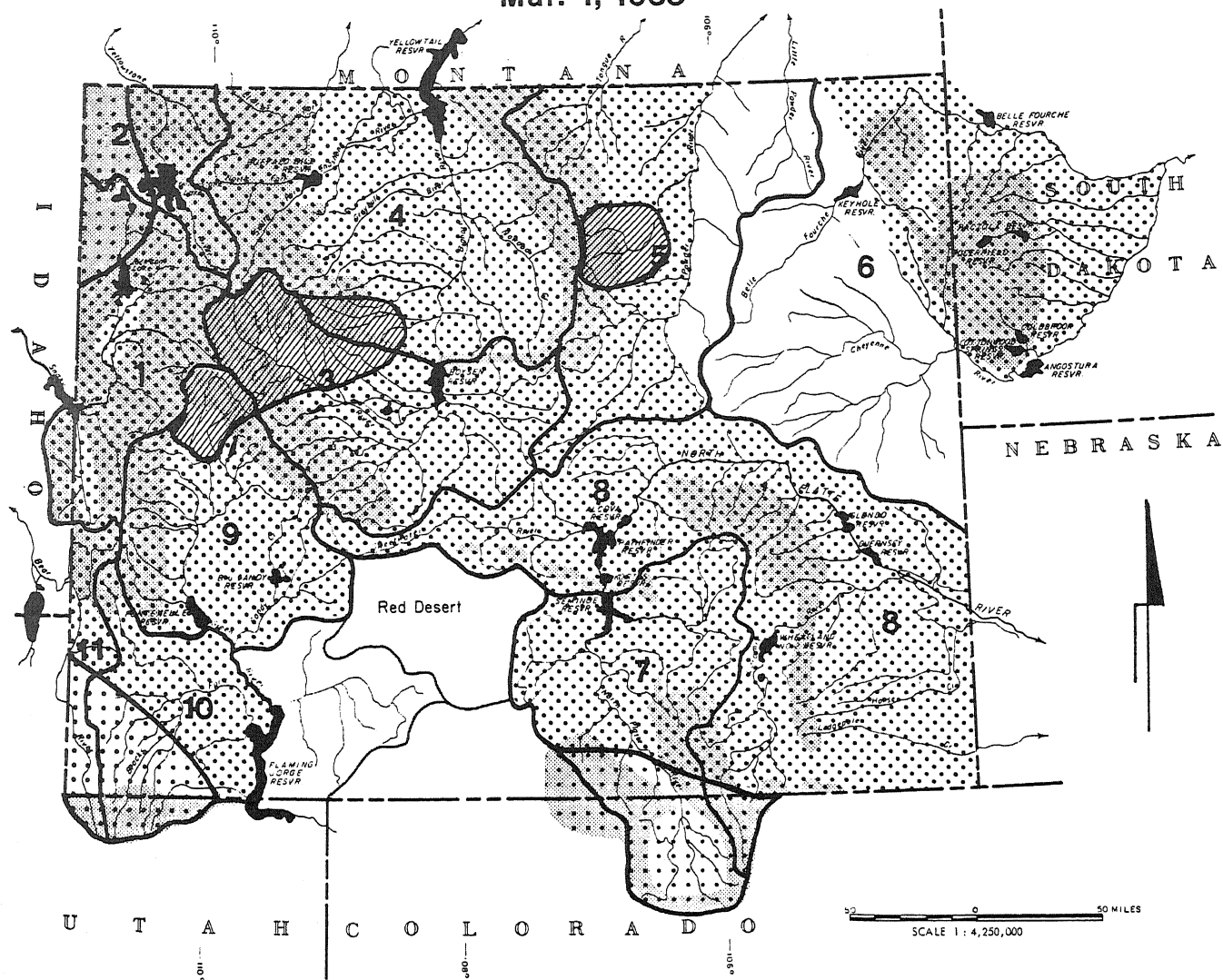
Prepared by

Jon G. Werner
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


STREAMFLOW PROSPECTS FOR WYOMING

Spring and Summer Period

Mar. 1, 1985



LEGEND

1. Snake River Basin		>130%	Much Above Average
2. Upper Yellowstone and Madison River Basins		110%-130%	Above Average
3. Wind River Basin		90%-110%	Near Average
4. Bighorn River Basin		70%-90%	Below Average
5. Powder and Tongue River Basins		<70%	Much Below Average
6. Belle Fourche and Cheyenne River Basins			Not Forecast
7. Upper North Platte and Little Snake River Basins			
8. Lower North Platte, Sweetwater, and Laramie River Basins			
9. Upper Green River Basin			
10. Lower Green River Basin			
11. Upper Bear River Basin			

GENERAL OUTLOOK

NEARLY ALL WYOMING STREAMFLOWS ARE FORECAST AT BELOW NORMALS THIS SPRING AND SUMMER. FEBRUARY SNOWFALLS HAVE BARELY SUSTAINED THE BELOW AVERAGE SNOWPACKS OF LATE JANUARY.

SNOWPACK:

All snowpacks are less than the 20-year average for March 1. February snowfalls were barely sufficient to maintain the statewide snowpack condition at about 20 percent below average. The Snake River Basin is best at 13 percent below normal while the Bear, North Platte, and Yellowstone-Madison Rivers follow closely to 17 percent below average. Other basins in the state are 23 to 27 percent below normal with the lowest report of near 50 percent below normal for drainages west of Buffalo, Wyoming.

PRECIPITATION:

February precipitation was light statewide. The greatest amounts received were in northwestern Wyoming where the Snake and Yellowstone drainages had near normal amounts of only 1 to 3 inches water equivalent. Elsewhere, precipitation was only near one-half inch or less. The Belle Fourche, Big Horn, Powder, Little Missouri, Wind River, and Green River drainages had low elevation areas where less than one-tenth of an inch fell during the entire month. February precipitation is usually not high, however, and spring months have historically promised heavy wet snows.

The light February precipitation decreased seasonal comparisons. Low elevation stations in the Big Horn, Little Missouri and Tongue, Wind, and Upper North Platte drainages and extreme southwestern Wyoming showed greater than 50 percent below normal seasonal precipitation. Other areas are near normal.

RESERVOIR STORAGE:

Available waters stored in Wyoming's reservoirs has increased during February to 18 percent above normal. Seminoe Reservoir is currently holding over twice normal. Pathfinder is also high at 62 percent above normal. Buffalo Bill Reservoir is 41 percent above usual. Other reservoirs are near normal.

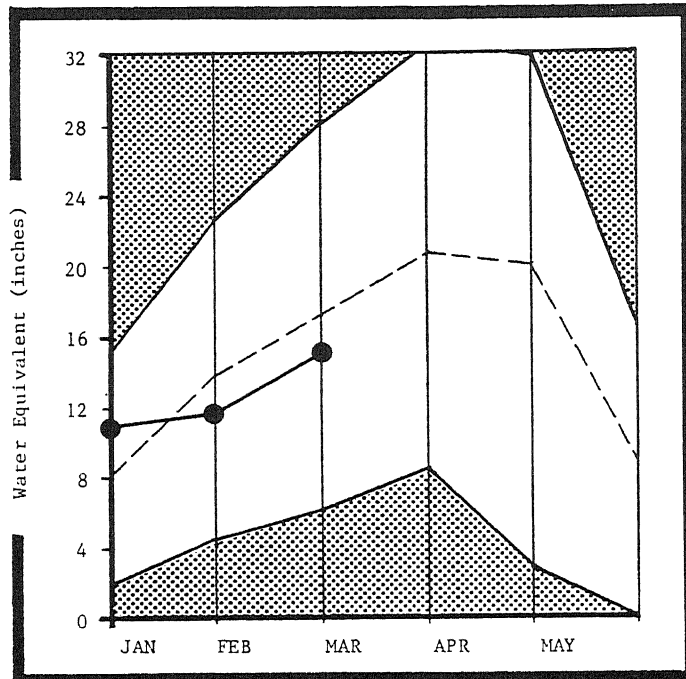
STREAMFLOW FORECASTS:

The continuing, below normal snowpack more certainly that streamflows will be low this summer. The only exceptions not Henry's Fork, and Bear Rivers (9 and 13 percent respectively). Near 25 percent in streams such as the North Fork and Rock Creeks west of Buffalo, Wyoming. The remainder of Wyoming streamflows are 15 percent below average.

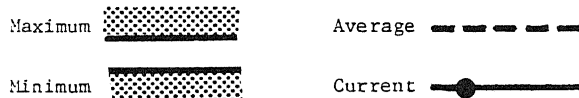
All of this is conditional upon conditions during the remaining snow season and are a result of a coordinated action by the U.S. Forest Service and the National Weather Service effort to provide the best possible forecast.

SNAKE RIVER BASIN

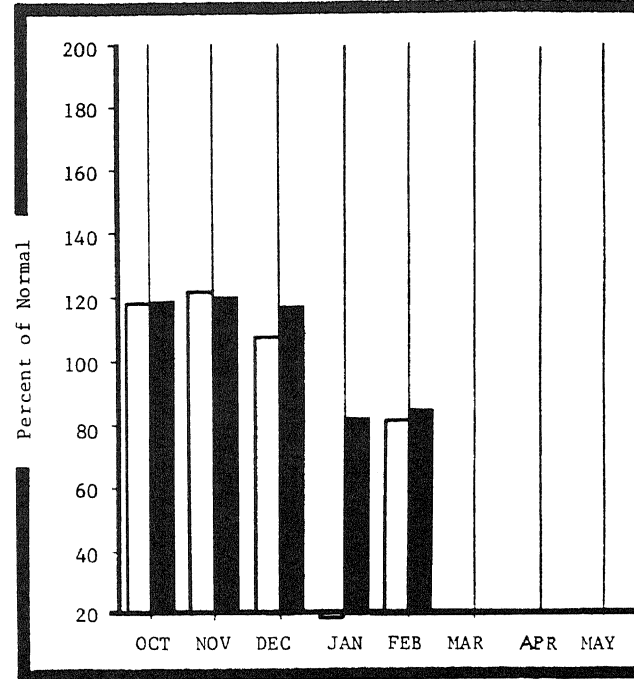
MOUNTAIN SNOWPACK*



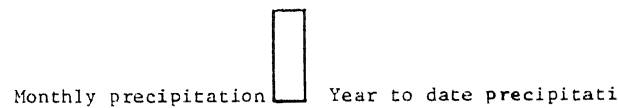
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Slight increases are noted in snowpack comparisons for this basin on March 1. However, they still average at 13 percent below normal. With only one-fifth of the snow accumulation season left, heavy snowfalls will be needed to boost spring and summer streamflows from the present 8 to 12 percent below normal. Reservoir storage is excellent.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

STREAMFLOW FORECAST POINT	THIS YEAR		Streamflow Forecast Period	PAST RECORD	
	Forecast 1,000 Ac-Ft.	Pct. Ave.		1,000 Acre-Feet Last Yr.xx	Average +
SNAKE RIVER near Moran (1)	805	92	April-Sept.	880	
SNAKE RIVER above Palisades near Alpine (1)	2,460	90	April-Sept.	2,730	
SNAKE RIVER at Heise, ID (2)	3,580	88	April-Sept.	4,066	
PACIFIC CREEK at Moran	145	83	April-Sept.	174	
GREYS RIVER above Palisades	322	82	April-Sept.	393	
SALT RIVER above Palisades near Etna	350	89	April-Sept.	394	
PALISADES RESERVOIR INFLOW (1)	3,387	89	April-Sept.	3,793	
SWIFT CREEK near Afton	42.0	89	May-Sept.	46	

(1) Observed flow plus change in storage in Jasckson Lake.

(2) Observed flow plus change in storage in Jasckson Lake and Palisades Reservoir.

xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

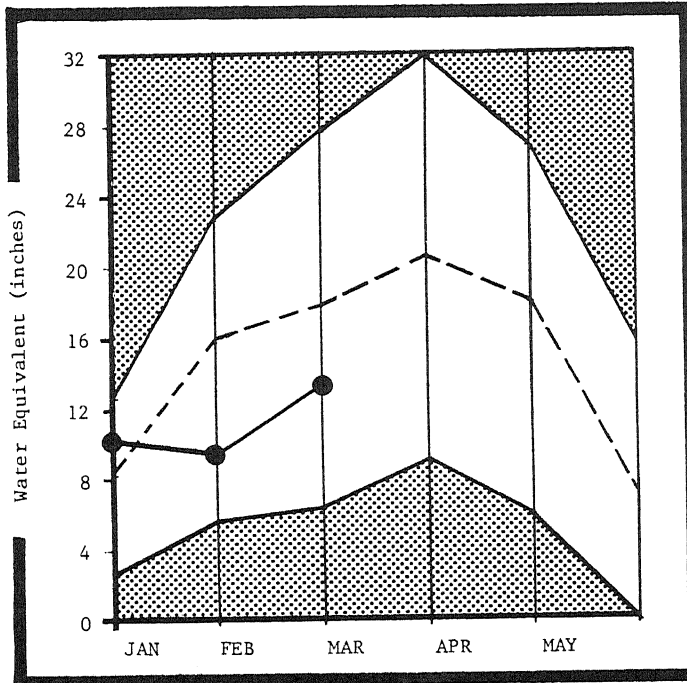
River Basin and/or Sub-Watershed	No. Sites	This Yr. Snow	
		Water as Pct of Last Yr	Average
Snake abv. Jackson Lake	8	115	95
Pacific Creek	2	104	86
Gros Ventre	3	97	83
Unhook River	7	100	83
or	3	89	79
	5	87	89
above Palisades	29	101	87

RESERVOIR STORAGE (Thousand Ac. Ft.)

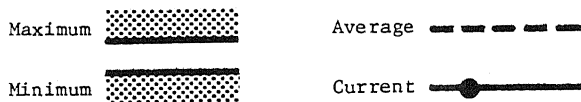
Reservoir	Usable Capacity	Usable Storage		
		This Year	Last Year	Ave.
Grassy Lake	15.1	13.1	14.0	10.4
Jackson Lake	624.4	274.2	492.0	553.0
Palisades	1,200.0	888.5	994.9	851.0

UPPER YELLOWSTONE AND MADISON RIVER BASINS

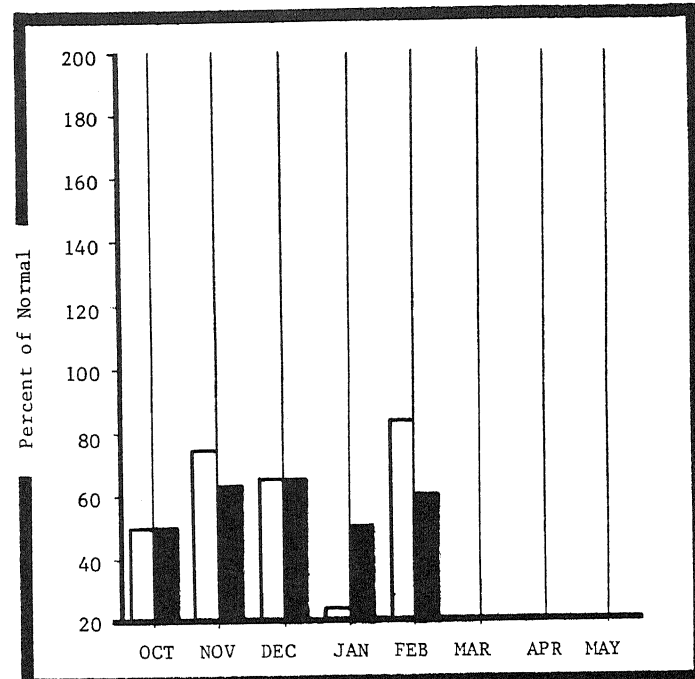
MOUNTAIN SNOWPACK*



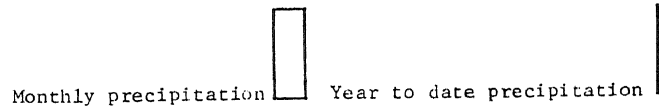
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

February snows have sustained snowpacks at about 10 percent below normal. Streamflows will also be below normal unless offset by heavy spring snows and rains.

STREAMFLOW FORECASTS

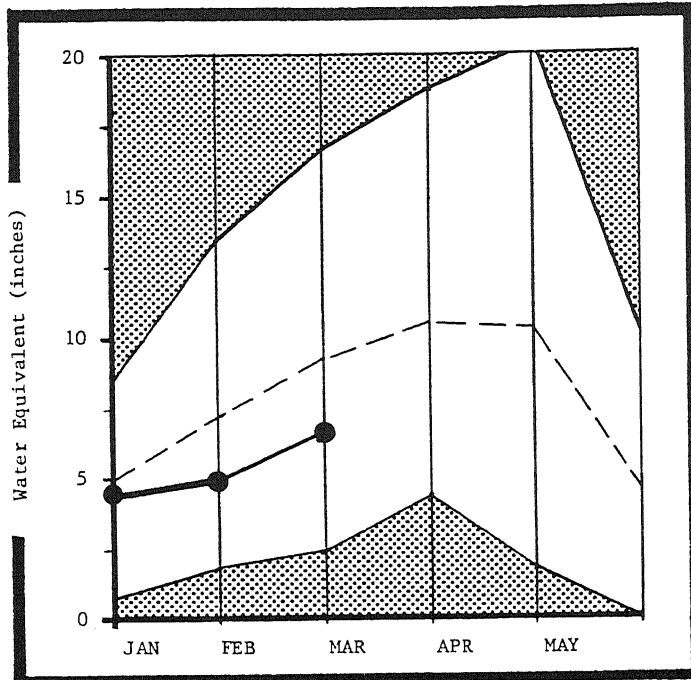
(1) Observed flow plus change in storage in Hebgen Lake.
 ** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
 + Period of average 1961-1980.

RESERVOIR STORAGE (Thousand Ac. Ft.)





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WIND RIVER BASIN

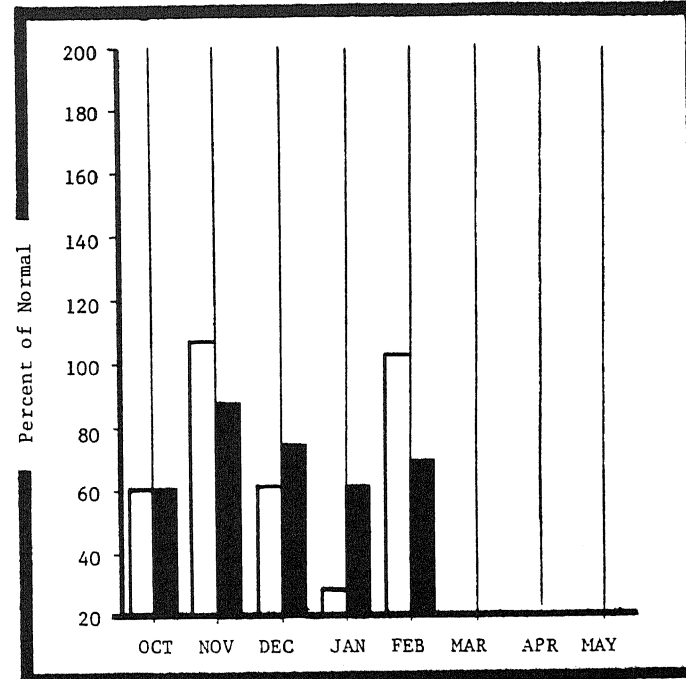
MOUNTAIN SNOWPACK*





*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Greatest increase in comparisons to average snow were noted in this basin. This 6 percent increase was not sufficient, however, to boost the poor snowpack which still remains at 26 percent below average. Streamflows are predicted at 7 to 15 percent below normal. Reservoirs are all above usual.

STREAMFLOW FORECASTS

- (1) Observed flow plus change in storage in Bull Lake, Pilot Butte Reservoir and diversion to Wyoming canal.
- (2) Observed flow plus change in storage in Bull Lake, Pilot Butte Reservoir, and Boysen Reservoir; plus diversion to Wyoming canal.
- (3) Observed flow plus change in storage in Bull Lake.

xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

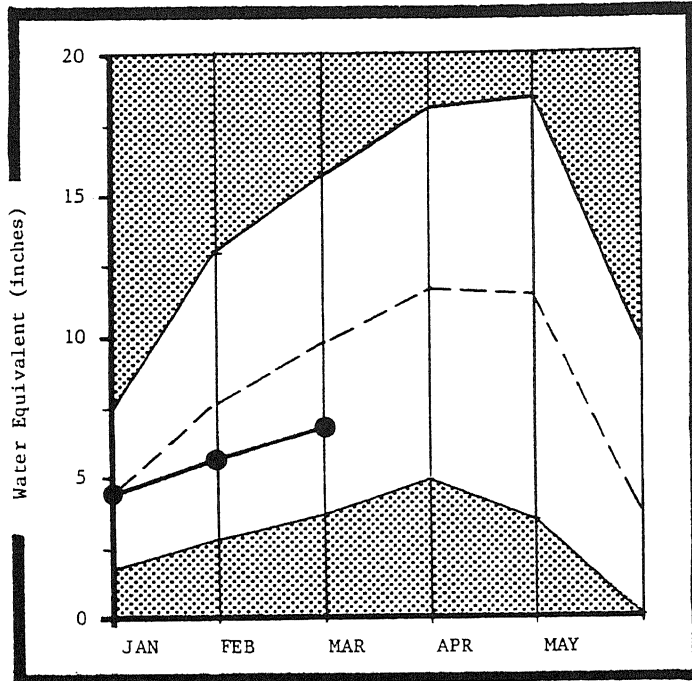
+ Period of average 1961-1980.

RESERVOIR STORAGE (Thousand Ac. Ft.)

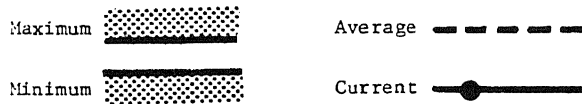
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BIGHORN RIVER BASIN

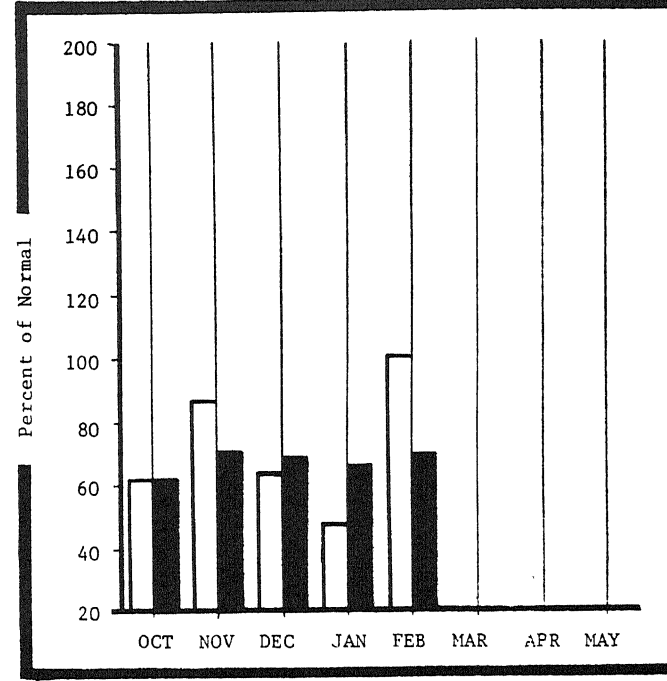
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Near 25 percent below normal
 promising spring and summer
 20 percent below usual.
 expected to be the lowest

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

STREAMFLOW FORECAST POINT	THIS YEAR		Streamflow Forecast Period	PAST RECORD	
	Forecast			1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.		Last Yr.,xx	Average +
=====					
WIND RIVER below Boysen Reservoir (1)	1,030	89	April-Sept.		1,163
TENSLEEP CREEK near Tensleep	65.0	75e	April-Sept.		(Disc.)
MEDICINE LODGE CREEK near Hyattville	16.5	72e	April-Sept.		(Disc.)
SHELL CREEK near Shell	63.2	81	April-Sept.		78.0
GREYBULL RIVER at Meeteetse	178	83	April-Sept.		215
SHOSHONE RIVER below Buffalo Bill Dam (2) .	700	83	April-Sept.		845
CLARK FORK near Belfry	500	80	April-Sept.		628
SOUTH FORK SHOSHONE RIVER near Valley . . .	235	84	April-Sept.		278
NOWOOD RIVER near Tensleep	57.0	80	March-Sept.		71x
=====					

- (1) Observed flow plus change in storage in Bull Lake, Pilot Butte, and Boysen Reservoir; plus diversion to Wyoming Canal.
- (2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Hart Mountain Canal.
- * Less than 20 year average.
- ** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

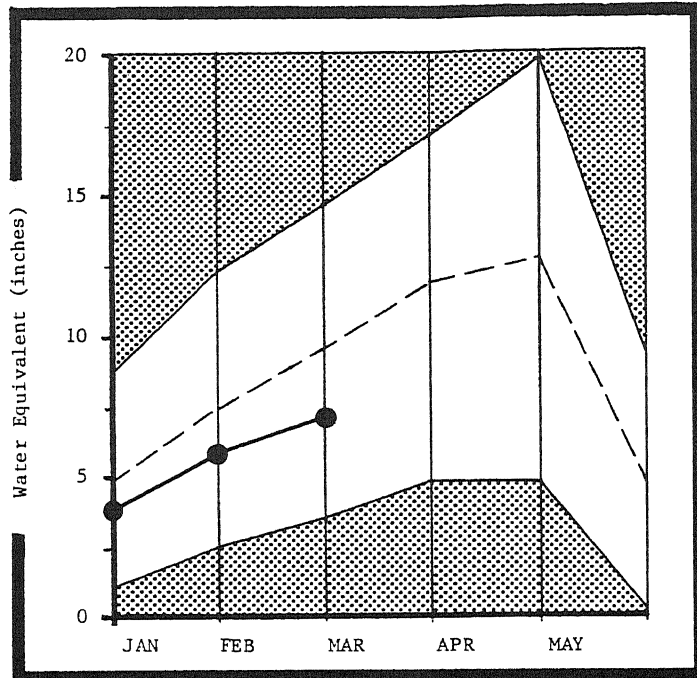
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow	
		Water as Pct of	
		Last Yr	Average
Clark Fork	16	104	77
Shoshone	5	106	82
Nowood	5	91	67
Shell	4	93	73
Greybull	2	59	77
Bighorn Basin(Boysen-Bighorn)	22	93	72

RESERVOIR STORAGE (Thousand Ac. Ft.)

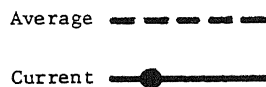
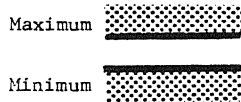
Reservoir	Usable Capacity	Usable Storage		
		This Year	Last Year	Ave. Ave.
Boysen	549.9	321.8	341.3	295.0
Buffalo Bill	373.1	238.5	261.5	169.0
Bighorn Lake	613.7	352.6	336.7	--

POWDER AND TONGUE RIVER BASINS

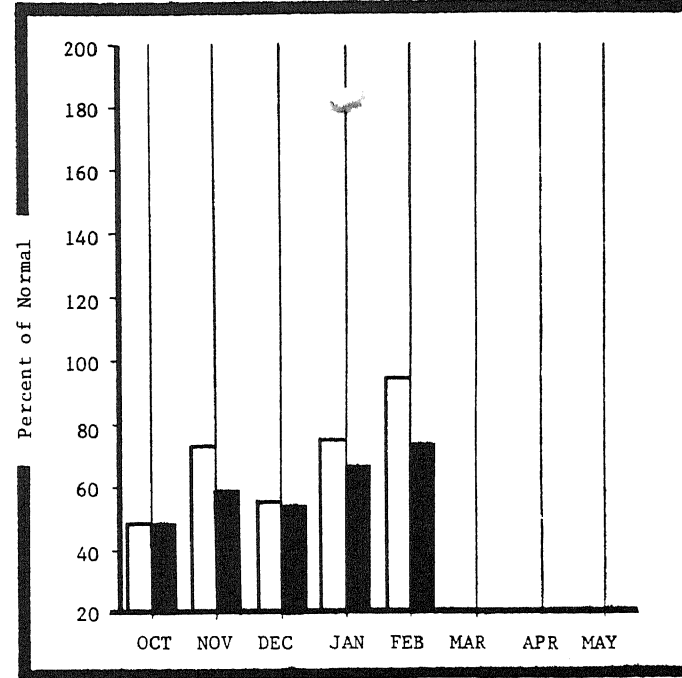
MOUNTAIN SNOWPACK*



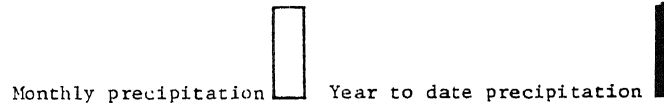
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpacks range from 16 to 47 percent below normal in this basin. The poorest snow water equivalents were measured in the drainages in areas near Buffalo.

The heavy spring snowfalls this basin is noted for will be necessary this year to improve streamflows that are expected to be only three-fourths of usual.

POWDER AND TONGUE RIVER BASIN

STREAMFLOW FORECASTS

STREAMFLOW FORECAST POINT	THIS YEAR		Streamflow Forecast Period	PAST RECORD	
	Forecast			1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.		Last Yr.,**	Average +
TONGUE RIVER near Dayton (1)	105	85	April-Sept.		123
MIDDLE FORK POWDER RIVER near Barnum	17.3	80	April-Sept.		21.6
NORTH FORK POWDER RIVER near Hazelton	7.7	73	April-Sept.		10.6
CLEAR CREEK near Buffalo	30.0	75	April-Sept.		40.0
ROCK CREEK near Buffalo	20.0	79	April-Sept.		25.4
PINEY CREEK at Kearny	41.0	75	April-Sept.		54.8
LITTLE BIGHORN at Hardin, MT	160	88	April-Sept.		182

(1) Observed flow plus diversion to Highline Ditch.

** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

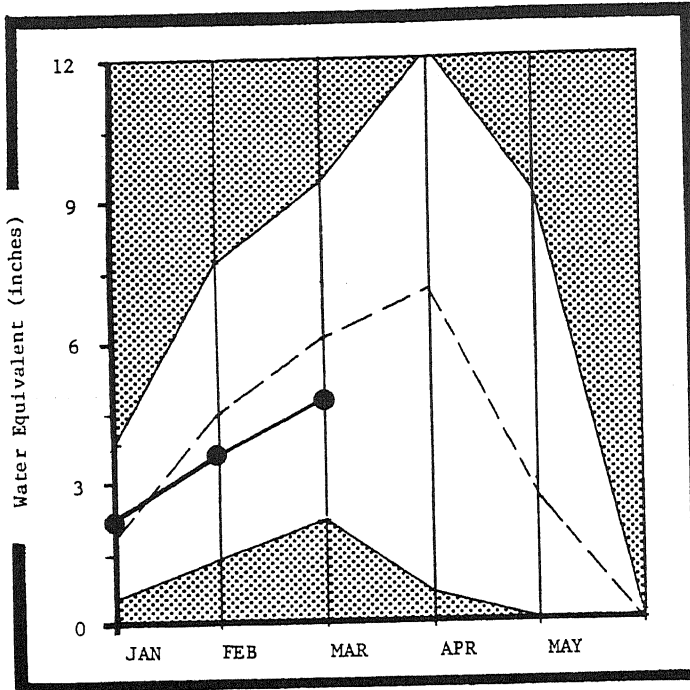
Basin	No.	This Yr. Snow	
		Snow	Water as Pct of
		Site	Last Yr. Average
Goose Creek	9	105	84
Clear Creek	4	97	81
Crazy Woman Creek	2	100	63
Powder River Basin	3	80	53
	9	96	71

RESERVOIR STORAGE (Thousand Ac. Ft.)





Reservoir	Usable Capacity	Usable Storage		
		This	Last	Ave.
		Year	Year	
=====				
- No Reservoirs -				

BELLE FOURCHE AND CHEYENNE RIVER BASINS

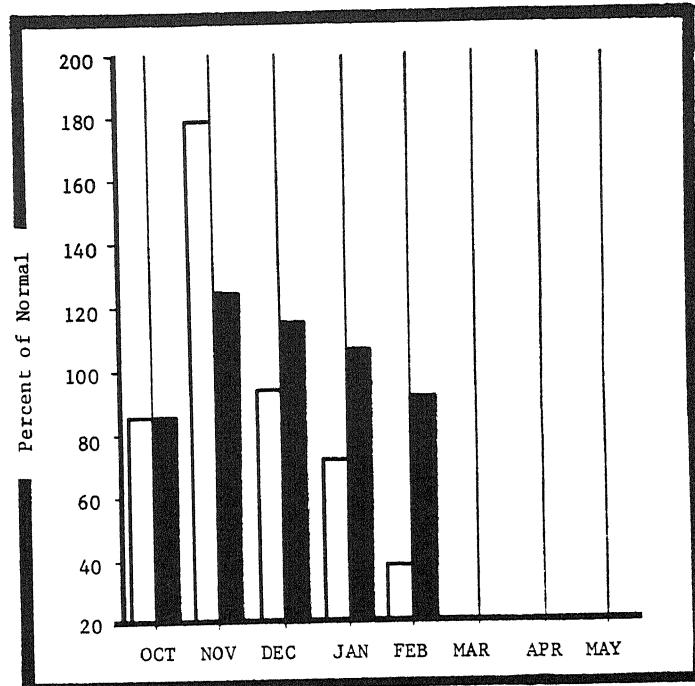
MOUNTAIN SNOWPACK*





*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack comparisons have r
 still at one-fourth below r
 at 20 percent below normal
 Reservoir storage is genera

BELLE FOURCHE & CHEYENNE RIVER WATERSHED

STREAMFLOW FORECASTS

STREAMFLOW FORECAST POINT	THIS YEAR		Streamflow	FAST RECORD	
	Forecast		Forecast	1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
- No forecasts issued in this area -					

SUMMARY of SNOW MEASUREMENTS

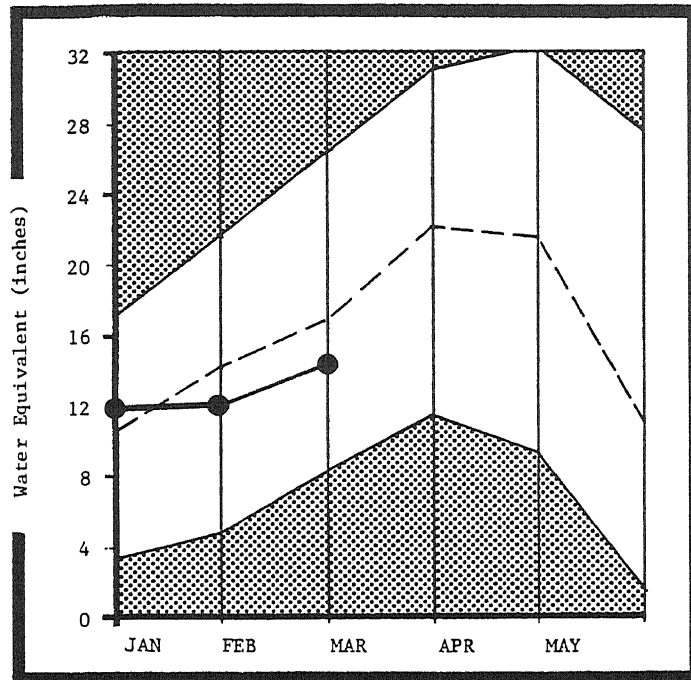
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow	
		Water as Pct of Last Yr	Average
Belle Fourche	6	92	74

RESERVOIR STORAGE (Thousand Ac. Ft.)

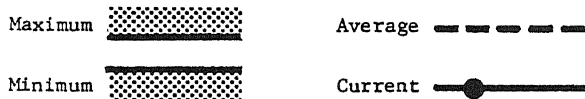
Reservoir	Usable Capacity	Usable Storage		
		This Year	Last Year	Ave.
Keyhole	190.4	79.1	45.0	111.0
Belle Fourche	185.2	135.1	119.1	114.0
Angostura	86.2	53.7	66.3	58.6
Deerfield	15.1	15.6	9.7	13.2
Pactola	55.0	53.5	53.8	46.2
Shadehill	81.5	53.5	59.2	48.0

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

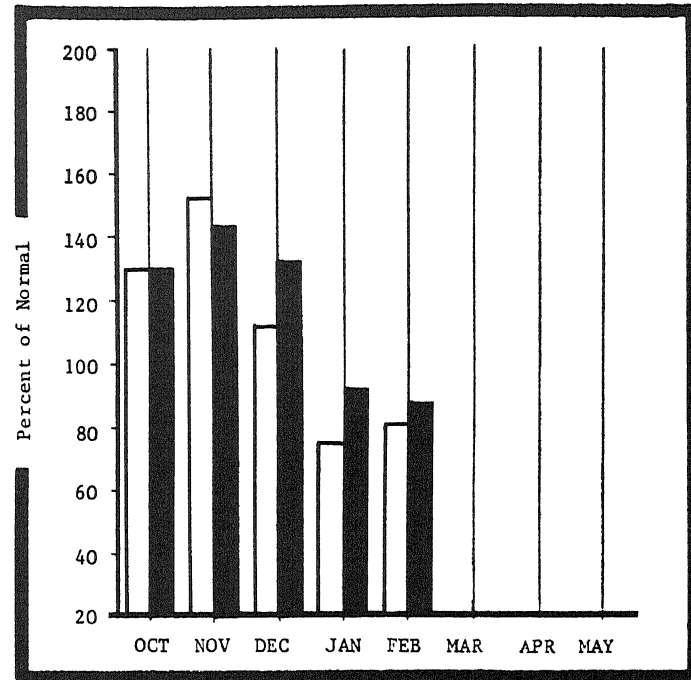
MOUNTAIN SNOWPACK*



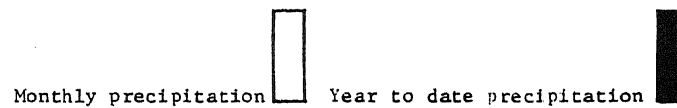
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Base flows continue high and reservoir storage is very high (over twice normal at Seminoe). Spring and summer water supplies will be excellent even with snowpacks diminished to 15 percent below normal. Resultant streamflows are all expected to be below normal.

STREAMFLOW FORECASTS

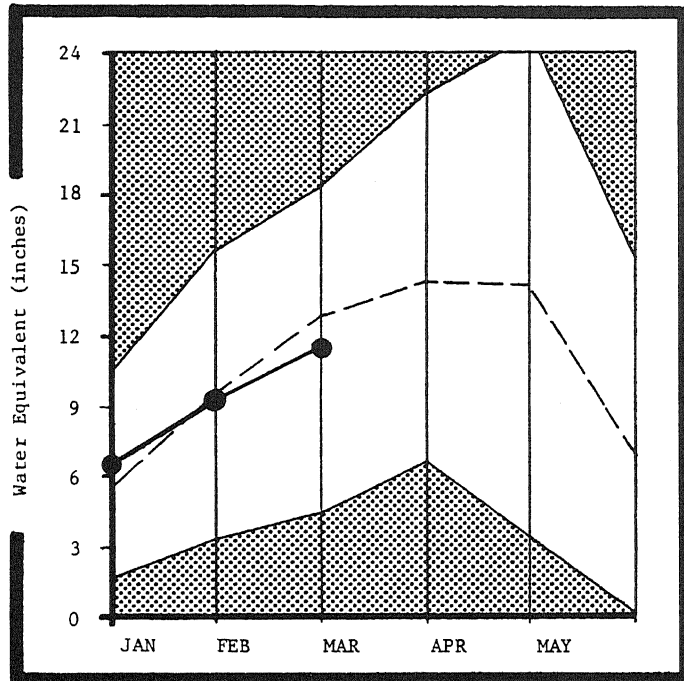
(1) Observed flow plus transbasin diversion.
 ** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
 + Period of average 1961-1980.

RESERVOIR STORAGE (Thousand Ac. Ft.)

River Basin and/or Sub-Watershed	No. This Yr. Snow Snow Water as Pct of Site Last Yr Average	Reservoir	Usable Usable Storage Capacity This Last Year Year Ave.
Upper North Platte	14 78 90	Seminole	1,017.3 836.0 717.0 347.0
Encampment	3 86 95		
Brush Creek	3 68 88		
Medicine Bow & Rock Creeks	3 70 77		
North Platte abv. Seminole	21 76 85		
Little Snake River	4 85e 96e		

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

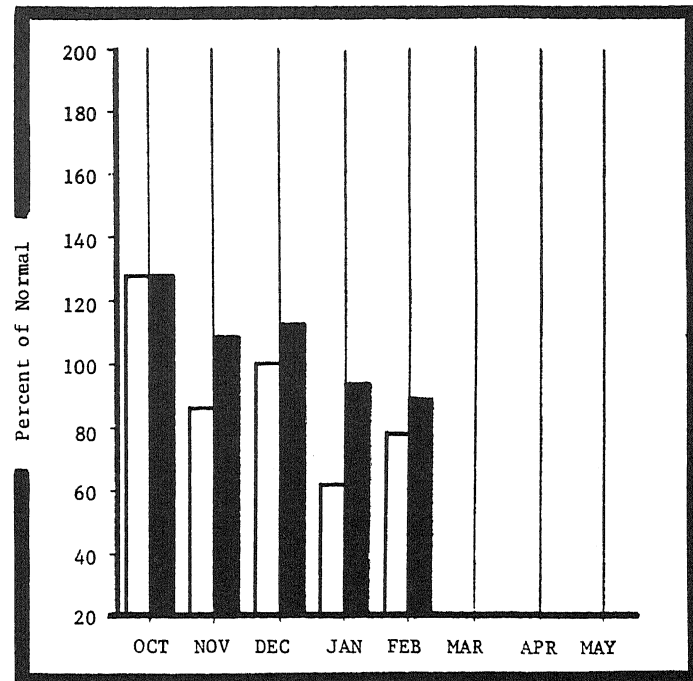
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum Average Minimum Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Eight percent overall loss in snow comparisons was noted in this basin. The now 16 percent below average snowpacks will produce below normal streamflows--the lowest expected on the Little Laramie at 21 percent below normal. Reservoir storage is excellent, however.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

STREAMFLOW FORECAST POINT	THIS YEAR		Streamflow	PAST RECORD	
	Forecast		Forecast	1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.**	Average +
NORTH PLATTE RIVER near Sinclair	639	90	April-Sept.		710
SWEETWATER RIVER near Alcova	55.3	75	April-Sept.		73.7
DEER CREEK at Glenrock	37.4	85	March-July.		43.9
LaPRELE CREEK above Reservoir near Douglas .	24.5	87	April-July.		28.2
LARAMIE RIVER & PIONEER CANAL near Woods . .	116	88	April-Sept.		132
LITTLE LARAMIE RIVER near Filmore	51.5	79	April-Sept.		65.1

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.

** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

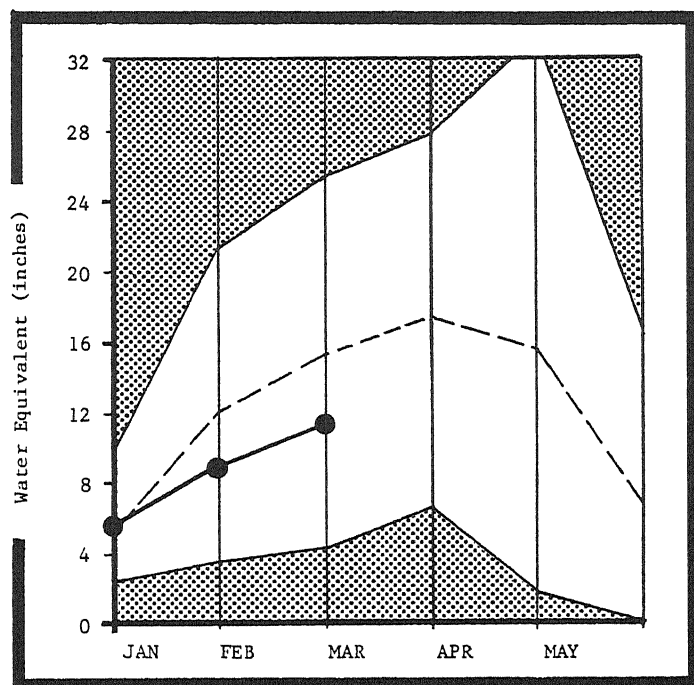
	No.	This Yr. Snow	
		Water as Pct of	
		100% - Last Yr. Average	
Sweetwater	3	86	73
Deer & LaPrele Creeks	2	74	86
N. Platte abv. Laramie River	15	76	84
Little Laramie River	4	80	69
Upper Laramie River	7	75	91
Laramie River Total	15	74	79
N. Platte River in Wyoming	57	77	84

RESERVOIR STORAGE (Thousand Ac. Ft.)

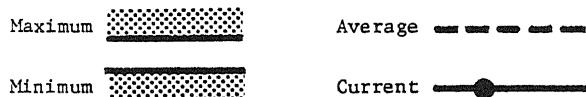
Reservoir	Usable	Usable Storage		
	Capacity	This	Last	
		Year	Year	Ave.
Seminole	1,017.3	836.0	717.0	347.0
Pathfinder	1,015.5	886.4	974.9	547.0
Alcova	30.7	2.8	3.2	25.1
Glendo	783.7	368.2	414.5	383.0
Guernsey	45.2	32.6	26.3	12.7
Wheatland #2	98.9	73.1	74.1	47.1
PROJECT WATER				
North Platte Project	1,016.1	1054.0	1083.6	--
Kendrick Project	1,201.6	1004.3	1044.1	--
Glendo Project Users	454.3	109.3	36.9	--

UPPER GREEN RIVER BASIN

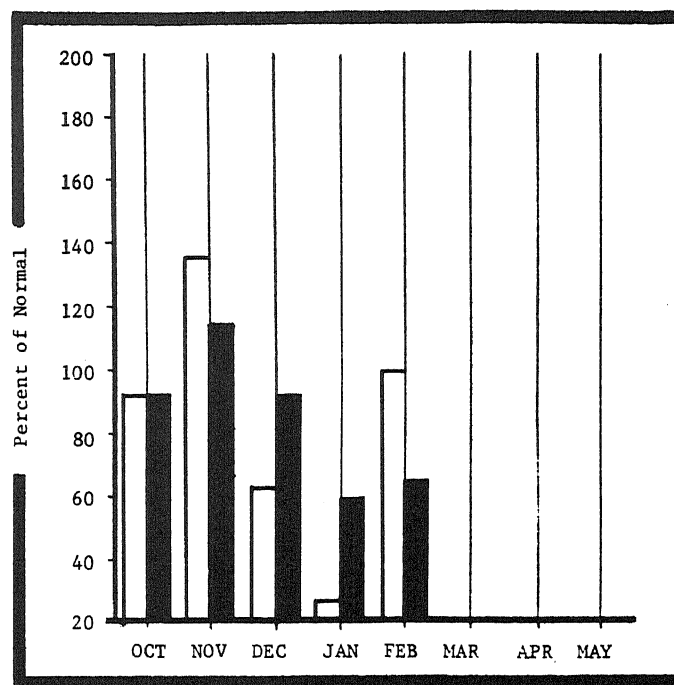
MOUNTAIN SNOWPACK*



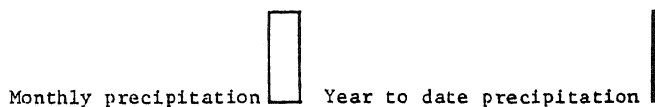
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snow conditions changed little during the month. The average snowpack is 27 percent below normal and streamflows are expected to be near 15 percent below usual. Heavy spring snows could help offset the past two to three months of dry weather.

STREAMFLOW FORECASTS

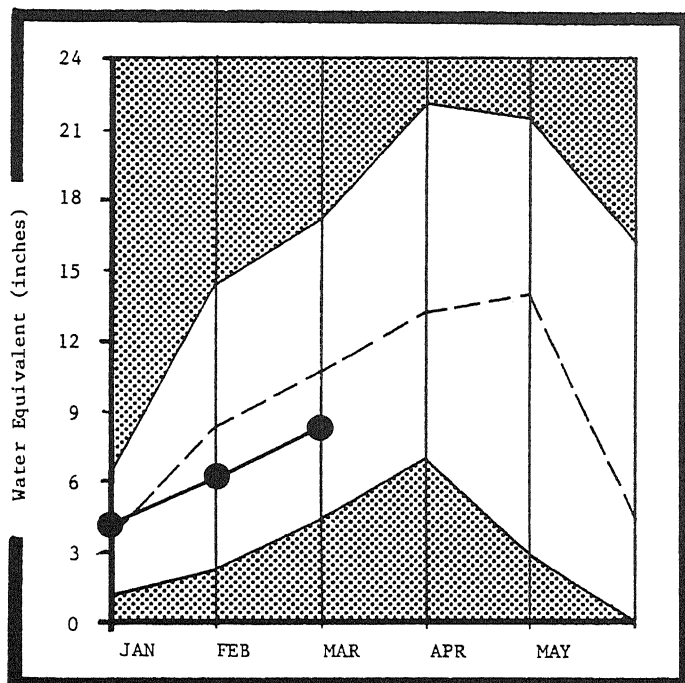
xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
+ Period of average 1961-1980.

RESERVOIR STORAGE (Thousand Ac. Ft.)

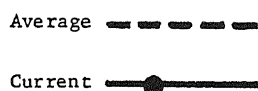
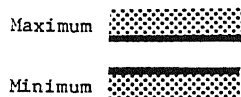
River Basin	No.	This Yr. Snow Water as Pct of 10:11:12:13:14:15:16:17:18:19:20:21:22:23:24:25:26:27:28:29:30:31:32:33:34:35:36:37:38:39:40:41:42:43:44:45:46:47:48:49:50:51:52:53:54:55:56:57:58:59:60:61:62:63:64:65:66:67:68:69:70:71:72:73:74:75:76:77:78:79:80:81:82:83:84:85:86:87:88:89:90:91:92:93:94:95:96:97:98:99:100	Snowfall Average	Reservoir	Usable Capacity	Usable Storage		
						This Year	Last Year	Ave.
	68			Eden	11.8	N.R.	--	2.5
	78			Big Sandy	38.3	24.2	23.0	17.2
	63			Fontenelle	344.8	168.3	161.9	167.1
	77							
	73							

LOWER GREEN RIVER BASIN

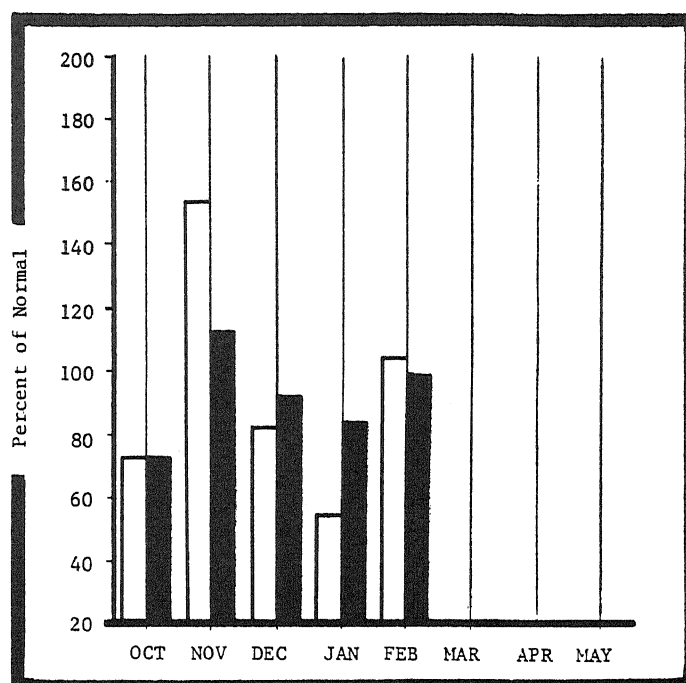
MOUNTAIN SNOWPACK*



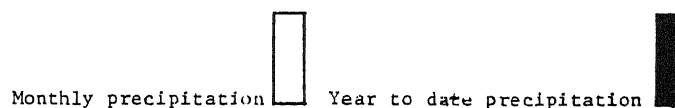
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpacks remain at near to well below normal. Streamflows are all forecast at 8 to 17 percent below normal, except for the Uinta fed streams (Henry's & Black's Forks), which are still expected to flow above normal. Reservoir storage is very good.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

STREAMFLOW FORECAST POINT	THIS YEAR		Streamflow	PAST RECORD	
	Forecast		Forecast	1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.**	Average +
FONTENELLE Reservoir Inflow	750	86	April-July		869
HAMS FORK below Pole Creek, near Frontier .	59.0	83	April-Sept.		71.3
GREEN RIVER near Green River (1)	900		April-Sept.		1,079
BLACK FORK RIVER near Milburne	98	109	April-July		89.9
HENRY'S FORK RIVER near Linwood, UT	55	115	April-Sept.		48.0
FLAMING GORGE Inflow (1)	1,100	88	April-July		1,248

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

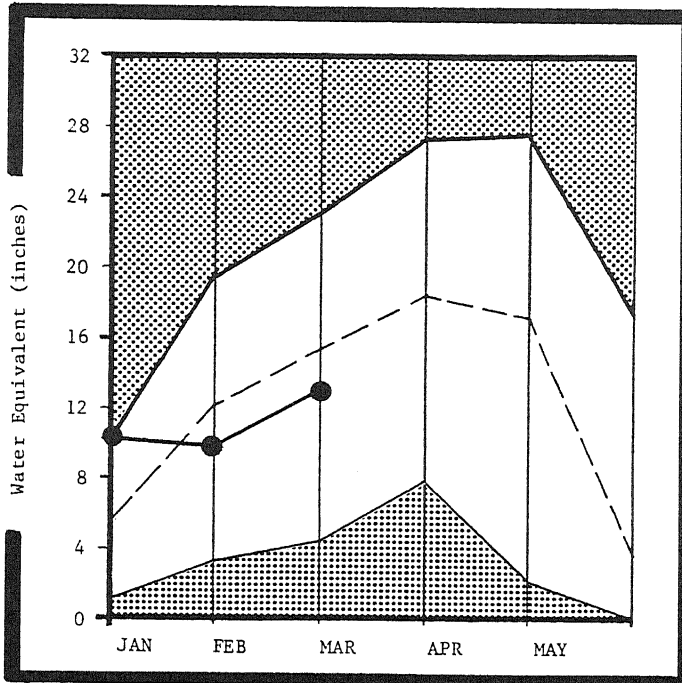
River Basin for shed	No. Snow Site	This Yr. Snow	
		Water as Pct of	
		Last Yr	Average
	3	79	76
Blacks Fork/Henry's Fork	4	76	94
Green River above Flaming G.	15	90	74

RESERVOIR STORAGE (Thousand Ac. Ft.)

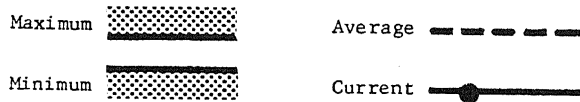
Reservoir	Usable Capacity	Usable Storage		
		This	Last	Ave.
		Year	Year	
Flaming Gorge	3,749.0	13036.5	13151.0	--
Viva Naughton	36.0	--	--	--

UPPER BEAR RIVER BASIN

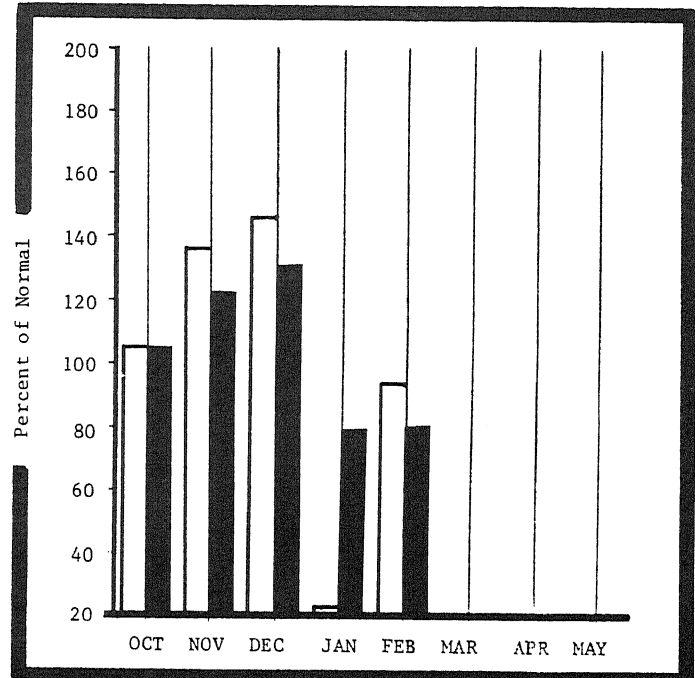
MOUNTAIN SNOWPACK*



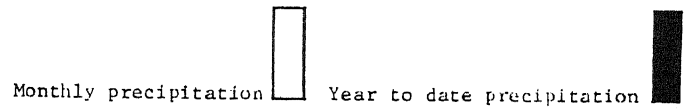
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

The Bear River boasts the highest forecast for streamflow at 28 percent above usual. Smith Fork forecasts remain near 15 percent below flows. Snowpack comparisons have changed month.

BEAR RIVER BASIN

STREAMFLOW FORECASTS

[illegible]

** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	No.	This Yr. Snow Snow/Water as Pct of Site/Last Yr/Average
Upper Bear River	3	85
		78
		85

RESERVOIR STORAGE (Thousand Ac. Ft.)

[illegible]

THE FOLLOWING ORGANIZATIONS COOPERATE
WITH THE SOIL CONSERVATION SERVICE
IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

Federal

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs
 Bureau of Land Management

Private

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish information for the
snow survey reports. Their cooperation is gratefully acknowledged.